

MICHELE'S PATENT CEMENT-TESTING MACHINE.

ITS ADVANTAGES ARE :—

1. **CHEAPNESS.** 2. **ACCURACY.** 3. **PORTABILITY.**

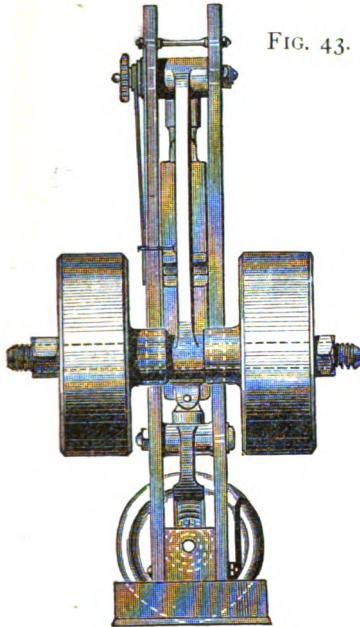


FIG. 43.

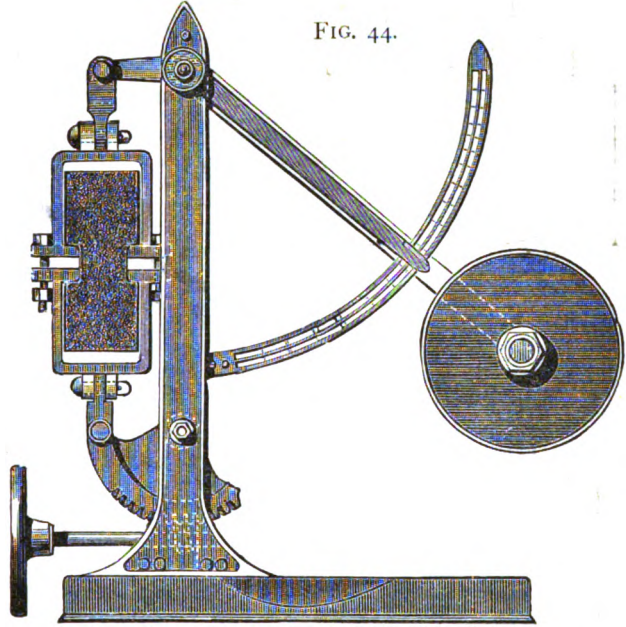


FIG. 44.

The block to be tested is placed in the jaws prepared to receive it; the handle is then turned, which raises the weighted lever by exerting a pull on its short end through the medium of the cement block. When the leverage is so increased as to exert a force too great for the cement to sustain, it breaks, and the lever falls, leaving the index-pointer at the spot to which it had been raised. The arc along which the pointer moves is graduated to show the number of pounds of tensile strain applied. A suitable arrangement, when the cement block breaks, prevents the lever from falling more than half an inch.

As the force is thus gradually applied to the block of cement, it is impossible that its breaking point can be influenced by any jerk or uneven strain.

MICHELE'S CEMENT-TESTING MACHINES

Are now generally specified to be employed on all large Works where Cement is extensively used, and no Resident Engineer should be without one.

They are now used on all Public Works carried out by

HER MAJESTY'S WAR DEPARTMENT.

THE ADMIRALTY.

H.M.'S PUBLIC WORKS DEPARTMENT, INDIA.

THE CROWN AGENTS OF THE COLONIES.

Also by many Dock Boards, Harbour Commissioners, Railway Companies, and the leading Civil Engineers, Contractors, and Cement Manufacturers.

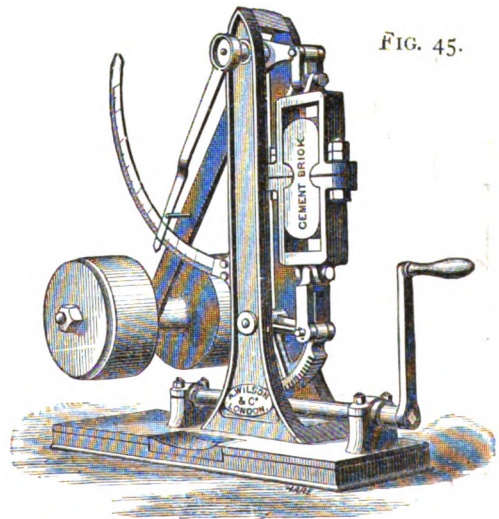


FIG. 45.

Price of a Machine to exert a tensile strain not exceeding 1000 lb.	.. .. .	£24
" " " " " " 1200 lb.	.. .. .	£26
" " " " " " 1500 lb.	.. .. .	£28
Price of Gun-Metal Moulds, accurately made for Section, 1 in. by 1 in.	.. .. .	£1 5s. each
" " " " " " 1½ in. by 1½ in.	.. .. .	£1 10s.

ALEX WILSON AND CO.,

ENGINEERS, VAUXHALL IRON-WORKS, NINE ELMS, LONDON, S.W.